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*ngmiller*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

PIZZA et al.

For: **IMMUNOGENIC DETOXIFIED  
MUTANT E. COLI LT-A-TOXIN**

Serial No.: 09/528,682

Filed: March 20, 2000

Atty. Dkt No.: PP00342.105 (2302-0342.10)

) Examiner: M. Borin

) Art Unit: 1631

) Confirmation No.: 5794

) AMENDMENT UNDER 37 CFR §1.116

#17/c  
Lites  
11-24-02

BOX RCE  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

This paper is responsive to the Final Office Action mailed August 12, 2001 (Paper # 15) with a due date of November 12, 2002 and, therefore, this paper is timely filed. Reconsideration of the application is requested in view of the following remarks.

AMENDMENTS

IN THE CLAIMS

7. (Twice Amended) A polynucleotide encoding an immunologically effective detoxified fragment of an *E. coli* heat labile toxin (LT-A) polypeptide, wherein

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- (i) said fragment is at least 8 amino acids in length;
  - (ii) said fragment includes an amino acid residue at position 72, numbered relative to SEQ ID NO:1; and
  - (iii) said amino acid residue at position 72, numbered relative to SEQ ID NO:1, is an arginine residue.